



The image shows the PubMed search interface. The search bar at the top contains the text 'Search PubMed for egg yolk'. Below the search bar are buttons for 'Limits', 'Preview/Index', 'History', and 'Clipboard'. The main search results are displayed in a table with columns for rank, author, title, and abstract. The first result is for Hatta H, Kim M, Yamamoto T, titled 'A novel isolation method for hen egg yolk antibody, "IgY"'. The results are paginated at the bottom, showing 'Page 1 of 6' and 'Select page: 1 2 3 4 5 6'.

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The macromolecular composition of hen's egg yolk at successive stages of maturation.
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NEW

Immunoglobulin classes in the garden lizard, *Calotes versicolor*.

Natarajan K, Muthukkaruppan VR.

Two classes of immunoglobulins have been purified from lizard serum using a combination of ion-exchange chromatography on DEAE-cellulose and gel filtration on Sephadex G-200 or on Sepharose 6B. Lizard IgM is 2-ME sensitive and has an intact molecular weight similar to human IgM. On SDS-PAGE, reduced IgM dissociates into heavy and light chains of molecular weight 70,000 and 23,500 daltons respectively. Lizards also possess a 2-ME resistant, low molecular weight immunoglobulin designated as IgY similar to avian and amphibian IgY. IgY dissociates on SDS-PAGE to yield 59,500 dalton heavy and 26,000 dalton light chains. Antisera raised in rabbits to each of the two Ig classes could be made class-specific by cross-absorption, thus indicating that IgM and IgY represent distinct isotypes.

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